

RAW SEQUENCE LISTING

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Application Serial Number: 10/049,404
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PATENT APPLICATION: US/10/049,404

DATE: 05/24/2005
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3 <110> APPLICANT: Arndt, Michaela
4 Little, Melvyn
5 Kypriyanov, Sergey
6 Krauss, Jurgen
7 Pfreundschuh, Michael
9 <120> TITLE OF INVENTION: Fv Antibody Construct Comprising Binding Sites For a CD16 Receptor and a
10 CD30 Surface Protein
12 <130> FILE REFERENCE: 4121-135
14 <140> CURRENT APPLICATION NUMBER: US 10/049,404
15 <141> CURRENT FILING DATE: 2002-02-05
17 <150> PRIOR APPLICATION NUMBER: PCT/DE00/02589
18 <151> PRIOR FILING DATE: 2000-08-02
20 <150> PRIOR APPLICATION NUMBER: DE 199 37 264
21 <151> PRIOR FILING DATE: 1999-08-06
23 <160> NUMBER OF SEQ ID NOS: 11
25 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 4570
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Synthetic Construct
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40 atttcacaca gaattcatta aagaggagaa attaaccatg aaataccat tgcctacggc 180
42 agccgctggc ttgctgtgc tggcagctca gccgccccatgg cgccagggtca gctgcagcag 240
44 tctggagctg agctggtaag gcttggact tcagtgaaaga tatctgtcaa ggcttctggc 300
46 tacaccttca ctaactactg gcttagttgg gtaaaacaga ggcctggaca tggactcgag 360
48 tggattggag atatctaccc tggaggtgg tataactaact acaatgagaa attcaagggc 420
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56 gatatcgagc tcactcaagtc tccaaaattc atgtccacat cagtaggaga cagggtcaac 660
58 gtcacactaca aggccagtca gaatgtgggt actaatgttag cctgggttca aaaaaacca 720
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62 cgcttcacag gcaagtggatc tggAACAGAT ttcaactctca ccatcagcaa tggcagtc 840
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66 ggcaccaagc tggaaatcaa acgggctgat gctgcggccg ctggatccga aaaaaagctg 960
68 atctcagaag aagacctaata ctcacatcac catcaccatc actaaagatc tattaaagag 1020
70 gagaattaa ccatgaaata cctattgcct acggcagccg ctggcttgc tgcgtggca 1080
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80 gcagacaagt	cctccaaacac	agcctacatg	caactgaaca	gcctgacatc	tgaggactct	1380
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86 ggtgatatcc	aggctgtgt	gactcaggaa	tctgactca	ccacatcacc	tggtaaaaca	1560
88 gtcacactca	cttgcgttc	aaatactggg	actgttacaa	ctagtaacta	tgccaactgg	1620
90 gtccaagaaa	aaccagatca	tttattcact	ggtctaatac	gtcataccaa	caaccgagct	1680
92 ccaggtgttc	ctgcccattt	ctcaggctcc	ctgatggag	acaaggctgc	cctcaccatc	1740
94 acaggggcac	agactgagga	tgaggcaata	tatctgtgt	ctctatggt	taacaaccat	1800
96 tgggtgttcg	gtggaggaac	caaactgact	gtcctaggcc	agcccaagtc	tgccggcgct	1860
98 ggatccgaac	aaaagctgtat	ctcagaagaa	gacctaaact	cacatcacca	tcaccatcac	1920
100 taatcttagag	gcctgtgcta	atgatcagct	agcttgaggc	atcaataaaa	cggaaaggctc	1980
102 agtcgaaaaga	ctgggccttt	cggtttatct	gttgggtgtc	gtttaacgtc	gacctggcg	2040
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166 caagaactct	gtagcaccgc	ctacatactt	cgatctgtt	atccctgttac	cagtggctgc	3960
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172 ctacacccaa	ctgagaacct	acagcgtgag	ctatgagaaaa	gcgcacgc	tcccgaaagg	4140

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174 agaaaaggcgg acaggttatcc ggtaagcggc agggtcggaa caggagagcg cacgagggag 4200
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178 gagcgtcgat ttttgtatg ctgcgtcaggg gggcggagcc tatggaaaaa cgccagcaac 4320
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206 20 25 30
209 Asn Tyr Trp Leu Gly Trp Val Lys Gln Arg Pro Gly His Gly Leu Glu
210 35 40 45
213 Trp Ile Gly Asp Ile Tyr Pro Gly Gly Tyr Thr Asn Tyr Asn Glu
214 50 55 60
217 Lys Phe Lys Gly Lys Ala Thr Val Thr Ala Asp Thr Ser Ser Arg Thr
218 65 70 75 80
221 Ala Tyr Val Gln Val Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr
222 85 90 95
225 Phe Cys Ala Arg Ser Ala Ser Trp Tyr Phe Asp Val Trp Gly Ala Arg
226 100 105 110
229 Thr Thr Val Thr Val Ser Ser Ala Lys Thr Thr Pro Lys Leu Gly Gly
230 115 120 125
233 Asp Ile Glu Leu Thr Gln Ser Pro Lys Phe Met Ser Thr Ser Val Gly
234 130 135 140
237 Asp Arg Val Asn Val Thr Tyr Lys Ala Ser Gln Asn Val Gly Thr Asn
238 145 150 155 160
241 Val Ala Trp Phe Gln Gln Lys Pro Gly Gln Ser Pro Lys Val Leu Ile
242 165 170 175
245 Tyr Ser Ala Ser Tyr Arg Tyr Ser Gly Val Pro Asp Arg Phe Thr Gly
246 180 185 190
249 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
250 195 200 205
253 Glu Asp Leu Ala Glu Tyr Phe Cys Gln Gln Tyr His Thr Tyr Pro Leu
254 210 215 220
257 Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala
258 225 230 235 240
261 Ala Ala Gly Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser
262 245 250 255
265 His His His His His
266 260

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270 <211> LENGTH: 273
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Synthetic Construct
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283 Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
284 20 25 30
287 Thr Tyr Thr Ile His Trp Val Arg Gln Arg Pro Gly His Asp Leu Glu
288 35 40 45
291 Trp Ile Gly Tyr Ile Asn Pro Ser Ser Gly Tyr Ser Asp Tyr Asn Gln
292 50 55 60
295 Asn Phe Lys Gly Lys Thr Thr Leu Thr Ala Asp Lys Ser Ser Asn Thr
296 65 70 75 80
299 Ala Tyr Met Gln Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr
300 85 90 95
303 Tyr Cys Ala Arg Arg Ala Asp Tyr Gly Asn Tyr Glu Tyr Thr Trp Phe
304 100 105 110
307 Ala Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Ala Lys Thr
308 115 120 125
311 Thr Pro Lys Leu Gly Gly Asp Ile Gln Ala Val Val Thr Gln Glu Ser
312 130 135 140
315 Ala Leu Thr Thr Ser Pro Gly Glu Thr Val Thr Leu Thr Cys Arg Ser
316 145 150 155 160
319 Asn Thr Gly Thr Val Thr Thr Ser Asn Tyr Ala Asn Trp Val Gln Glu
320 165 170 175
323 Lys Pro Asp His Leu Phe Thr Gly Leu Ile Gly His Thr Asn Asn Arg
324 180 185 190
327 Ala Pro Gly Val Pro Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys
328 195 200 205
331 Ala Ala Leu Thr Ile Thr Gly Ala Gln Thr Glu Asp Glu Ala Ile Tyr
332 210 215 220
335 Phe Cys Ala Leu Trp Tyr Asn Asn His Trp Val Phe Gly Gly Gly Thr
336 225 230 235 240
339 Lys Leu Thr Val Leu Gly Gln Pro Lys Ser Ala Ala Ala Gly Ser Glu
340 245 250 255
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357 <223> OTHER INFORMATION: Synthetic Construct
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413 <212> TYPE: DNA
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416 <220> FEATURE:
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425 <212> TYPE: DNA
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RAW SEQUENCE LISTING ERROR SUMMARY
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The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 9

VERIFICATION SUMMARY

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